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(54) Title: METHODS OF DIAGNOSING AND TREATING HYPERPROLIFERATIVE DISORDERS

(57) Abstract: The invention relates to compositions and methods for diagnosing and treating hyperproliferative disorders using ligands which specifically recognize the hypusine and/or folate binding region of mature eukaryotic translation initiation factor 5A (hypusine-containing eIF-5A). The invention further relates to methods of identifying molecules which displace immunoreagents binding to mature eIF-5A. Such agents are useful for treating hyperproliferative disorders.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28742

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/02; C12Q 1/70, 1/68; A61K 48/00; G01N 33/536, 33/543

US CL : 536/23.1; 436/536, 518; 435/6, 7.1; 514/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1; 436/536, 518; 435/6, 7.1; 514/44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	XU et al., Hypusine is required for a sequence-specific interaction of eukaryotic initiation factor 5A with postsystematic evolution of ligands by exponential enrichment RNA, J. Biol Chem, 26 January 2001, vol. 276, issue 4, pages 2555-61, especially abstract, page 2556, right column, Fig. 7 at page 2559	1 - 3 4 - 43

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:
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Search Terms: elf-5A, ligand, hypusine, cancer diagnosis, cancer treatment

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